FEDERAL AVIATION ADMINISTRATION (FAA)
LOGISTICS CENTER

ENCLOSED PAINT BOOTH INSTALLATION

STATEMENT OF WORK

INTRODUCTION

The technical requirements for materials and the performance of work as required under this contract are contained in this document. This document contains the basic scope of work and some technical requirements.

Contracting Officer (CO) – The person assigned to this contract as the CO shall be the only individual with authority to speak for and contractually bind the FAA. All communications, authorizations, approvals, changes, modifications, etc., involving this contract, shall be with and through the CO. Any action not approved by the CO shall not bind the FAA.

Contracting Officer's Representative (COR) – The CO may assign a COR to oversee the work on the project and act as a technical point of contact. A letter detailing the COR's responsibilities and authority will be issued when a COR is assigned.

1. PROJECT LOCATION

Work for this contract will be performed in the Logistics Support Facility (LSF) at the Mike Monroney Aeronautical Center (MMAC) in Oklahoma City, OK. It is located at the intersection of Duke Avenue and SW 64th St.

2. SCOPE

2.1 General

This specification covers the requirements for the installation of an enclosed paint booth inside the LSF. The Contractor shall provide all labor, materials (unless noted otherwise in the contract documents), and specialized equipment as necessary to perform the work described herein.

2.2 Description of Work

All work to be accomplished includes, but is not limited to, the following:

Provide and install a new enclosed paint booth that is fully operational in accordance with specifications in a vacant section of the paint shop in LSF Building #2.

3. ENCLOSED PAINT BOOTH TECHNICAL REQUIREMENTS

3.1 Size

The enclosed paint booth will be located in an indoor warehouse area that is 40' x 19' with a height of 16'. The paint booth must be large enough to accommodate the ASR-11, an antenna with the following dimensions: 16.5' L x 8.5' W x 11.5' H. The paint booth size should be a minimum of 30' L x 15' W x 13.5' H, the maximum booth size will be constrained by the size of the available area. The booth will contain a small personnel door and a minimum of one window for observation from outside the booth. The main door should be at least 12' H x 12' W. A site visit will be held in order to provide offerors an opportunity to take measurements.

3.2 Ventilation System

The paint booth needs to utilize a side downdraft ventilation system that allows for the partitioning of the paint booth into 2 sections where multiple smaller items can be painted simultaneously. The partitions need to be moveable, allowing for the full use of the space when a large item is to be painted, and allowing for 2 separate spaces when smaller items are painted. It is not necessary that the ventilation be completely segregated by section, only that physical barriers prevent overspray from travelling from one section to another.

3.3 Airflow Requirements

The paint booth must have adequate airflow and comply with Occupational Safety and Health Administration (OSHA), National Fire Protection Association (NFPA), American National Standards Institute (ANSI), Federal, State and local regulations. The paint booth needs to exhaust ventilation to the outdoors either through the eastern exterior wall or the roof. Appropriate ductwork must be installed.

3.4 Filtration Requirements

Dry filters are to be used for filtration. The paint booth must have filtration in compliance with OSHA, NFPA, ANSI, Federal, State and local regulations.

3.5 Paint Drying

The paint booth must contain a heater capable of elevating the booth temperature to a constant level acceptable for paint drying (140 to 170 Degrees Fahrenheit). The design should put a premium on energy efficiency.

3.6 Lighting

Lighting requirements for the booth are a color rendering index of 80, light temperature between 5000-6500 on the Kelvin scale, with a foot candle power between 150 and 200 at the painting surface in order to ensure adequate brightness.

3.7 Explosion Proofing Requirements

The exposed areas of the paint booth must be explosion proof (Class 1). This includes, but is not limited to, all lighting, heating, and miscellaneous electrical equipment in the booth.

3.8 Make-Up Air System
Enclosed paint booth must have a make-up air system which allows for climate control. The design should put a premium on energy efficiency.

4. INSTALLATION REQUIREMENTS

Contractor must supply all parts, labor and equipment necessary to permanently install the enclosed paint booth in its designated location. The MMAC Architecture and Engineering Division (AMP-400) will handle the site preparation, connect the paint booth to commercial power, and complete other like support activities to ensure the full operational capability of the enclosed paint booth. The Contractor must effectively collaborate with AMP-400.

5. COMMISSIONING

The MMAC Logistics Center Product Services Division (AML-4000) will verify that the enclosed paint booth is fully functional. The MMAC Facilities Services Division (AMP-100) will verify the environmental and safety compliance of the enclosed paint booth. This commissioning must occur prior to acceptance. All deficiencies must be rectified by the Contractor at no extra charge to the Government.

6. JOB CONDITIONS

6.1 Pre-Bid Site Visit
It is advised, but not required that bidders attend the site visit to determine the existing conditions affecting the work.

6.2 Delivery/Storage/Handling
The Contractor shall coordinate delivery of materials and equipment with the COR. The Contractor shall confine the movement and storage of vehicles, equipment, and materials to such routes, times, and locations, as may be designated by the COR. Work and storage space is limited at the site. The Contractor is responsible to secure additional storage off site, if required, at no additional cost to the FAA. Materials subject to moisture damage shall be stored off the ground and covered (or stored inside as may be approved by the COR). Materials damaged in handling, storage, construction traffic, etc., will be rejected and replaced at the Contractor's expense.

6.3 Protection of Existing Property
See the applicable contract clause. The Contractor is responsible for any damages to property caused by the Contractor's activities.

6.4 Cleanup
The Contractor shall remove all debris resulting from their work from the premises at the site and dispose of properly on a daily basis, or as directed by the COR. Also, a final cleanup shall be conducted when the work is complete and prior to final inspection.

6.5 Power
Electrical power required for the construction work will be made available to the Contractor at no cost. The Contractor, at their expense, shall provide all temporary connections, fittings, etc., from the source to the point of use. Arrangements for use of these facilities shall be coordinated with the COR.

7. GENERAL

7.1 Pre-Construction Meeting
The Contractor is required to attend a post-award pre-construction meeting to review contract requirements, safety and environmental issues, schedules, required reports/submittals, etc. and to establish contacts to be used during the contract. The CO shall coordinate the location and time of the meeting after contract award. The meeting may be held via teleconference.

7.2 Pre-Work Site Meeting
A site visit or teleconference will need to be made by the Contractor's key personnel who will be performing the on-site work to discuss disposal areas for any removed materials, procedures for working around the operating facility, etc. The date and time for this meeting will be separate from and occur after the pre-construction meeting (may be held immediately subsequent to that meeting if so arranged).

7.2.1 Pre-Work Site Meeting Details
This is an FAA facility operating 8 hours per day, 5 days per week whose functions cannot be compromised during performance of this work. The work shall be accomplished in such a manner as to minimize the impact on the facility operation, by not obstructing the activities of other employees near to the work area. Work should be completed during normal business hours, between 7:00 a.m. and 4:30 p.m. (for exceptions see 7.4). Following the pre-construction meeting held by the CO, the Contractor will arrange for an on-site meeting prior to beginning work. Present for the meeting will be the Contractor's key personnel who will direct the field workmen and key FAA facility personnel. Site information and facility operations traffic and parking patterns affecting the work shall be discussed during the meeting as needed for the Contractor to finalize plans and prepare for the work. The Contractor shall refer to and be completely familiar with the information contained within these specifications and other contract documents before making the site visit.

7.3 Contractor Personnel
Work shall be accomplished by skilled personnel, experienced in the types of work to be performed and certified in accordance with State and Federal Law. All labor, construction procedures, etc. shall be in strict conformance with rules, regulations, and recommendations of OSHA, National Electric Code (NEC), municipal and State codes, National Building Code, or any other authorities having local jurisdiction pertaining to the work. If noxious or objectionable products are to be used the Material Safety Data Sheets (MSDS) for those products must be provided to AMP-100 in advance. An effort should also be made to use the objectionable product outside of peak operational hours (see 7.4).

7.4 Night/Weekend Work

Work at the site shall be accomplished between the hours of 7:00 a.m. and 4:30 p.m., Monday through Friday. However, the Contractor may choose to perform portions of the work outside of peak operational hours at night or during weekends as approved by the COR. After hours work should be coordinated 48 hours in advance.

7.5 Compliance with Regulations

The Contractor shall comply with the latest OSHA regulations Title 29 Code of Federal Regulations (CFR) regarding safety in the work area. The Contractor shall also comply with applicable Federal and State laws and regulations concerning human health and environmental protection, including those pertaining to air and water pollution, and the disposal of solid and hazardous wastes, substances and materials. The Contractor shall consult the latest referenced OSHA, Environmental Protection Agency (EPA), State, and local documents for pertinent regulations.